INDEX

PAGE

ANDERSON, R. D. The algebraic simplicity of certain groups of homeomorphisms, ... 955

ANDREOTTI, ALDO. On a theorem of Torelli, ... 801

AURORA, SILVIO. On power multiplicative norms, ... 879

BAILY, WALTER L., JR. Satake's compactification of V_n, . . 348

BARCUS, W. D. and J.-P. MEYER. The suspension of a loop space, . 895

BRAUER, FRED and SHLOMO STERNBERG. Local uniqueness, existence in the large, and the convergence of successive approximations, 421

BERBERIAN, S. K. $N \times N$ matrices over an AW^*-algebra, . . 37

BOREL, A. and F. HIRZEBRUCH. Characteristic classes and homogeneous spaces, I, ... 458

BOTT, RAOUL and HANS SAMELSON. Applications of the theory of Morse to symmetric spaces, ... 964

BROWDER, FELIX E. Eigenfunction expansions for non-symmetric partial differential operators, I, ... 365

CALDERÓN, A. P. Uniqueness in the Cauchy problem for partial differential equations, ... 16

CARLESON, LENNART. An interpolation problem for bounded analytic functions, ... 921

CARTIER, P. et J. DIXMIER. Vecteurs analytiques dans les représentations de groupes de Lie, ... 131

CHOW, WEI-LIANG. Remarks on my paper "The Jacobian variety of an algebraic curve, ... 238

CHOW, WEI-LIANG. The criterion for unit multiplicity and a generalization of Hensel's lemma, ... 539

CORSON, H. H. The determination of paracompactness by uniformities, ... 185

DEVINATZ, A. and I. I. HIRSCHMAN, JR. The spectra of multiplier transforms on l^p, ... 829

DIEUDONNÉ, JEAN. Lie groups and Lie hyperalgebras over a field of characteristic $p > 0$, ... 740

DIXMIER, J. See P. Cartier et J. Dixmier, page 131.

PAGE

GERSTENHABER, MURRAY. On nilalgebras and linear varieties of nilpotent matrices, I, ... 614

HARISH-CHANDRA. Spherical functions on a semisimple Lie group, I, 241

HARISH-CHANDRA. Spherical functions on a semisimple Lie group, II, 553

HIRSCHMAN, I. I., JR. See A. Devinatz and I. I. Hirschman, Jr., page 829.

HIRZEBRUCH, F. See A. Borel and F. Hirzebruch, page 458.

IN MEMORIAM. Aurel Wintner, 1903-1958, ... 1

IWASAWA, KENKICHI. On some invariants of cyclotomic fields, . 773

KERVAIRE, MICHEL. On the Pontryagin classes of certain $SO(n)$, bundles over manifolds, ... 632

KOLCHIN, ELLIS and SERGE LANG. Algebraic groups and the Galois theory of differential fields, ... 103

LANG, SERGE. See Ellis Kolchin and Serge Lang, page 103.

LANG, SERGE. Reciprocity and correspondences, ... 431

LANG, SERGE and JOHN TATE. Principal homogeneous spaces over Abelian varieties, ... 659

MATSUSAKA, T. Polarized varieties, fields of moduli and generalized Kummer varieties of polarized Abelian varieties, . . . 45

MATSUSAKA, T. On a theorem of Torelli, ... 784

MAUTNER, F. I. Spherical functions over $\mathfrak{P}$-adic fields, I, . . 441

MEYER, J.-P. See W. D. Barcus and J.-P. Meyer, page 895.

MORREY, CHARLES B., JR. On the analyticity of the solutions of analytic non-linear elliptic systems of partial differential equations. Part I, ... 198

MORREY, CHARLES B., JR. On the analyticity of the solutions of analytic non-linear elliptic systems of partial differential equations. Part II, ... 219

MURRE, J. P. On a connectedness theorem for a birational transformation at a simple point, ... 3

MURRE, J. P. Intersection multiplicites of maximal connected bunches, 311

MOSTOW, G. D. Extensions of representations of Lie groups, II, . 331

NAGATA, MASAYOSHI. A general theory of algebraic geometry over Dedekind domains, II, ... 382

NASH, J. Continuity of solutions of parabolic and elliptic equations, 931

PAGE

O'MEARA, O. T. The integral representations of quadratic forms over local fields, ... 843

ROSENLICHT, MAXWELL. Extensions of vector groups by Abelian varieties, ... 685

SAMELSON, HANS. See Raoul Bott and Hans Samelson, page 964.

SCHLESINGER, ERNEST C. Conformal invariants and prime ends, . 83

SERRE, JEAN-PIERRE. Quelques propriétés des variétés abéliennes en en caractéristique p, ... 715

STERNBERG, SHLOMO. See Fred Brauer and Shlomo Sternberg, page 421.

STERNBERG, SHLOMO. On the structure of local homeomorphisms of Euclidean n-space, II, ... 623

TAMAGAWA, TSUNEO. On the structure of orthogonal groups, . . 191

TATE, JOHN. See Serge Lang and John Tate, page 659.

WINTNER, AUREL. Stratifications of Cauchy's "stable" transcendents of Mittag-Leffler's entire functions, ... 111

WINTNER, AUREL. On cosine-like arches, ... 125

WINTNER, AUREL. In the λ-variant of Mertens' μ-hypothesis, . . 639

WRIGHT, E. M. Partitions of large bipartites, ... 643

ZARISKI, OSCAR. The problem of minimal models in the theory of algebraic surfaces, ... 146